

APRIL/MAY 2024

**DOAM15B/GOAM15B — BASICS OF  
MICROBIOLOGY**

Time : Three hours

Maximum : 75 marks



**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define prokaryotes.
2. Define Ascomycota.
3. What is Exospore?
4. State two functions of flagella.
5. Define heterotrophs.
6. Expand BGA.
7. Define Cyst.
8. Define parasite.
9. Define virion.
10. Define phage.

SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) Write about the contribution of Robert Koch.

Or

(b) Explain about spontaneous generation.

12. (a) Write short note on principle and application of fluorescent microscope.

Or

(b) Explain the capsule staining methods.

13. (a) Crime an account on structure of algae.

Or

(b) Comment on industrial uses of fungi.

14. (a) Give a short note on protozoan diseases.

Or

(b) Explain the protozoa classification based on locomotion.

15. (a) Write about the general characteristics of viruses.

Or

(b) Write about the classification of viruses.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Brief note on contribution of Louis Pasteur, Jenner.

17. Give an account on structure and function of cell wall of bacteria.

18. Give detail account on algal and cultivation technique.

19. Give a note on protozoa characteristics, morphology and reproduction.

20. Discuss about the viral cultivation methods.

